

# Material Safety Data Sheet

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Issue date: November 2005

## PURT II

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** PURT II

**Manufacturer's Product Code:** C032

**Use:** Speciality cleaning product.

**CHEM-DRY® AUSTRALIA**

**P B Mitchell Pty Ltd**

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### 2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO ASCC/NOHSC/EU CRITERIA

**Hazard Category:** Irritant (Xi), Oxidizer (O)

**Hazard Classification:** HAZARDOUS SUBSTANCE, NON-DANGEROUS GOODS.

#### RISK PHRASES

R8 Contact with combustible material may cause fire.

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

#### SAFETY PHRASES

S2 Keep out of reach of children.

S17 Keep away from combustible materials.

S25 Avoid contact with eyes.

#### Road Transport

**UN Number:** None allocated

**Proper Shipping Name:** NONE ALLOCATED

**Dangerous Goods Class:** None allocated

**Packing Group:** None allocated

**Poison Schedule:** S6 [Aust]

This material is a Scheduled S6 Poison and must be stored, handled and used according to the appropriate regulations.

#### Warning Statement:

Keep product dry. Avoid contact with skin and eyes. Do not mix with fuels (oils, hydrocarbons etc).

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
SODIUM PERCARBONATE	60 to 100 %	15630-89-4
SODIUM BICARBONATE	10 to 30 %	Mixture
ETHYLENE DIAMINETETRACETIC ACID, SODIUM SALT	5 to 10 %	Mixture

All ingredients determined not to be hazardous according to the ASCC/NOHSC/EU criteria.

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### 4. FIRST AID MEASURES

**Swallowed:**

If swallowed, **DO NOT** induce vomiting. If conscious, give 1 to 2 glasses of water to drink. If irritation persists transport to hospital or doctor.

**Eye:**

If material is splashed into eyes, immediately, flush with plenty of water for 15 minutes, ensuring eye lids are held open. If irritation persists transport to hospital or doctor.

**Skin:**

If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with soap and water. If irritation persists transport to hospital or doctor.

**Inhaled:**

Move victim to fresh air. Apply resuscitation if victim is not breathing.

**First Aid Facilities:**

Eye wash fountain, safety shower and normal wash room facilities.

**Advice to Doctor:**

Treat symptomatically.

In case of poisoning, contact Poisons Information Centre

**In Australia call Tel: 131126**

**In New Zealand Tel: 034747000**

### 5. FIRE-FIGHTING MEASURES

**Fire/Explosion Hazard**

If safe to do so, move undamaged containers from fire area.

**SUITABLE EXTINGUISHING MEDIA:** Use flooding quantities of water for all fires involving oxidizing agents.

**HAZARDS FROM COMBUSTION PRODUCTS:** Decomposition products will include oxides of carbon.

**PRECAUTIONS FOR FIRE FIGHTERS AND SPECIAL PROTECTIVE EQUIPMENT:** If safe to do so, move undamaged containers from fire area. Fire fighters should wear Self-contained breathing apparatus (SCBA) in confined spaces, in oxygen deficient atmospheres or if exposed to products of decomposition.

**HAZCHEM CODE:** 1[Y] [Aust]

**FLAMMABILITY:**

This material is not a flammable or combustible solid. This product contains a high quantity of sodium percarbonate which is considered an oxidizer, it can provide additional oxygen to a fire to sustain combustion of flammable materials.

### 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures:**

This product is a powder, under appropriate conditions dusts may be generated. Wear suitable protective equipment in these circumstances. Ventilate area.

**Methods and Materials for Containment and Clean Up Procedures:**

If spill occurs, use common sense in handling the event. For **small spills**, wet area to prevent high dust levels, and to dilute any effect the oxidizer may have in a potentially hazardous situation. If available use HEPA vacuum and filter. Otherwise, use a non-sparking shovel and place into a suitably labelled container for disposal. Do not dry sweep. For **large spills**, **CALL FOR HELP**.

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### 7. HANDLING AND STORAGE

**Precautions for Safe Handling:**

Where contact with this material is likely, eye and skin protection is recommended. For further information please refer to the Engineering Controls of this MSDS.

**Conditions for Safe Storage:**

Store in a cool place and out of direct sunlight. Store away from fuels and other reducing agents. Keep containers closed, when not using the product. Store in original packages as approved by manufacturer\*.

\* For further information please contact your Local Chem-Dry representative.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Standards**

No exposure standards are available for this product, however, the following exposure standards have been assigned by [NOHSC] to the following components of the product:

**SODIUM PERCARBONATE**

[NOHSC]

[TWA]10 mg/m<sup>3</sup>

Based upon nuisance dust potential.

**Engineering Controls**

Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate.

**Personal Protection Equipment**

**GLOVES:** Nitrile or neoprene.

**EYES:** Spectacles with side shields or chemical goggles.

**RESPIRATORY PROTECTION:** Avoid breathing of dusts. The use of a respirator is not normally required, however, if high dust levels are present, then the use of a suitable dust mask or half-face respirator fitted with a P1 filter is recommended. All respirators must comply with AS/NZS 1715 and AS/NZS 1716.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	White powder with no odour.
<b>Boiling Point:</b>	Not available.
<b>Vapour Pressure:</b>	Not available.
<b>Specific Gravity:</b>	Not available.
<b>Flash Point:</b>	Not applicable, water content interferes with flash point.
<b>Flammability Limits:</b>	Not applicable.
<b>Solubility in Water:</b>	Sparingly soluble.

**Other Properties**

**pH:** 10.0 (2.5 % aqueous solution)

### 10. STABILITY AND REACTIVITY

**CHEMICAL STABILITY:**

Stable when dry.

**CONDITIONS TO AVOID:**

Avoid moisture, high temperatures, and exposure to incompatible materials.

**INCOMPATIBLE MATERIALS:**

This material is incompatible with organic entities (fuels, oils, hydrocarbons etc). Contamination with moisture, acids, reducing agents and metallic ions may cause decomposition.

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### 10. STABILITY AND REACTIVITY (Continued)

#### **HAZARDOUS DECOMPOSITION PRODUCTS:**

Decomposition may product hydrogen peroxide, oxides of carbon and water.

#### **HAZARDOUS REACTIONS:**

Will not occur.

### 11. TOXICOLOGICAL INFORMATION

No adverse health effects are expected, if the product is handled in accordance with this Material Safety Data Sheet and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:

#### **ACUTE HEALTH EFFECTS**

##### **Swallowed:**

May cause irritation to mouth, throat and stomach with effects including pains in the stomach, which may lead to nausea, vomiting and diarrhoea.

##### **Eye:**

Will cause severe irritation to the eyes with effects including: tearing, pain, corneal opacity and blurred vision. If prompt action is not taken permanent eye damage may occur.

##### **Skin:**

Will cause irritation to the skin, with effects including: Redness, itchiness, and drying/defatting.

##### **Inhaled:**

Dusts will cause irritation to the nose, throat and respiratory system.

##### **Chronic:**

Prolonged or repeated skin contact may lead to dermatitis. Prolonged contact may cause severe eye irritation and some form of permanent eye damage may occur.

There is no toxicological information available for this product, however, for the ingredients:

##### **Sodium percarbonate:**

Oral LD50(rat): 2,400 mg/Kg

##### **Sodium bicarbonate:**

Oral LD50(rat): 4,220 mg/kg

##### **Ethylenediamine tetraacetic acid, tetrasodium salt:**

Oral LD50(rat): > 2,000 mg/kg

### 12. ECOLOGICAL INFORMATION

This substance may cause long term adverse effects in the aquatic environment.

### 13. DISPOSAL CONSIDERATIONS

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Advise that product is oxidizing agent.

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### 14. TRANSPORT INFORMATION

#### Road Transport

**UN Number:** None allocated

**Proper Shipping Name:** NONE ALLOCATED

**Dangerous Goods Class:** None allocated

**Packing Group:** None allocated

**Label:** Irritant (Xi), Oxidizer (O)

#### Air Transport

**UN Number:** None allocated

**Proper Shipping Name:** NONE ALLOCATED

**Dangerous Goods Class:** None allocated

**Packing Group:** None allocated

**Label:** Irritant (Xi), Oxidizer (O)

#### Sea Transport

**UN Number:** None allocated

**Proper Shipping Name:** NONE ALLOCATED

**Dangerous Goods Class:** None allocated

**Packing Group:** None allocated

**Label:** Irritant (Xi), Oxidizer (O)

### 15. REGULATORY INFORMATION

**Poison Schedule:** None allocated [Aust]

#### Inventory Status:

<i>Inventory</i>	<i>Status</i>
Australia (AICS)	Y
United States (TSCA)	Y
Europe (EINECS/ELINCS)	Y

Y = all ingredients are on the inventory.

### 16. OTHER INFORMATION

#### Date of Preparation:

**Issue date:** October 19, 2005

**Supersedes:** June 20, 2004

#### Reasons for Update:

1. Alignment with the 2<sup>nd</sup> Edition of National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2001(2003).
2. Changes and /or addition made to all sections.

#### Key Legend Information:

NOHSC - National Occupational Health & Safety Commission {Formerly Worksafe}[Aust]

ASCC - Australian Safety and Compensation Council [Aust]

SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons [Aust]

TWA - Time Weighted Average [Int]

STEL - Short Term Exposure Limit [Int]

AICS - Australian Inventory of Chemical Substances

Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:1997) [Aust]

EPA - Environmental Protection Agency [Int]

NIOSH - National Institute for Occupational Safety and Health [US]

TSCA - Toxic Substances Control Act [US]

OSHA - Occupational Safety and Health Administration [US]

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### 16. OTHER INFORMATION (Continued)

AS/NZS 1715 - Selection, use and maintenance of respiratory protective devices. [Aust/NZ]

AS/NZS 1716 - Respiratory protective devices. [Aust/NZ]

Hazchem Code - Fire fighters designation [Aust]

IATA - International Aviation Transport Authority [Int]

ICAO - International Civil Aviation Organization [Int]

IMO - International Maritime Organisation. [Int]

IMDG - International Maritime Dangerous Goods [Int]

United Nations Recommendations for the Transport of Dangerous Goods and Globally Harmonized System for the classification and labelling of Chemicals. [Int]

EINECS - European Inventory of Existing Commercial Chemical Substances. [Int]

ELINCS - European List of Notified Chemical Substances. [Int]

EU - European Union [Int]

**EU Directives:** The classification criteria used, are adopted from the European Community's (EC) legislation for classifying dangerous substances. The criteria are taken from:

EC Council Directive 67/548/EEC

EC Council Directive 1999/45/EC

[Aust/NZ] = Australian New Zealand

[Int] = International

[US] = United States of America

#### **Principal References:**

Information supplied by manufacturer, reference sources including the public domain.

#### **Disclaimer**

This MSDS summarises our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this MSDS and consider the information in connection with the way the product is intended to be handled or used. Responsibilities of the supplier associated with this product are outlined in our standard terms and conditions, a copy of which is sent to customers and is available on request.

**END OF MSDS**